



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1058133

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method: Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

June 23, 2011

DEAN PATTISSON
Woolsey Operating Company, LLC
125 N MARKET STE 1000
WICHITA, KS 67202-1729

Re: ACO1
API 15-007-23656-00-00
JAHAY A GU 2
SE/4 Sec.01-34S-11W
Barber County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
DEAN PATTISSON

ALLIED CEMENTING CO., LLC. 040655

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Melone Lodge

DATE <i>2-25-11</i>	SEC. <i>1</i>	TWP. <i>34S</i>	RANGE <i>11W</i>	CALLED OUT	ON LOCATION	JOB START <i>10:30am</i>	JOB FINISH <i>11:30am</i>
LEASE <i>Johy A6U</i>		WELL # <i>2</i>		LOCATION <i>Gerlan = Blk top, 7E to Bethel</i>		COUNTY <i>Barber</i>	STATE <i>KS</i>
OLD OR NEW (Circle one) <i>NEW</i>			<i>1S, 1/2 E, N into</i>				

CONTRACTOR *Duke R3 #10*

TYPE OF JOB *Surface*

HOLE SIZE *14 3/4* T.D. *220'*

CASING SIZE *10 3/4* DEPTH *216'*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX *400PSI* MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. *20'*

PERFS.

DISPLACEMENT *19 1/4 bbls H₂O*

OWNER *Woolsey Operating*

CEMENT

AMOUNT ORDERED *240 ex class A + 3% gel + 2% gel*

COMMON <i>Class A 240 @ 15 45</i>	<i>3708⁰⁰</i>
POZMIX @	
GEL <i>5 sx @ 20⁰⁰</i>	<i>104⁰⁰</i>
CHLORIDE <i>9 sx @ 58⁰⁰</i>	<i>523⁰⁰</i>
ASC @	
Regulatory Correspondence @	
Drill Comp Workovers @	
Tests / Meters Operations @	
HANDLING <i>254 @ 2⁴⁰</i>	<i>609⁶⁰</i>
MILEAGE <i>254 / 10 / 15</i>	<i>381⁰⁰</i>
TOTAL	<i>5326⁴⁰</i>

EQUIPMENT

PUMP TRUCK # *471/265* CEMENTER *matthmesch*

BULK TRUCK # *353/252* DRIVER *matthmesch*

BULK TRUCK # DRIVER

WELL FILE

REMARKS:

Blk circulation with Rig, pump 3 H₂O ahead, mix 240 ex cement, disp 19 1/4 bbls #20 and shut in cement did circulate

SERVICE

DEPTH OF JOB <i>216'</i>	
PUMP TRUCK CHARGE <i>1018⁰⁰</i>	
EXTRA FOOTAGE @	
MILEAGE <i>15 @ 7⁰⁰</i>	<i>105⁰⁰</i>
MANIFOLD @	
TOTAL	<i>1623⁰⁰</i>

CHARGE TO: *Woolsey Operating*

STREET _____

CITY _____ STATE _____ ZIP _____

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) _____

TOTAL CHARGES ~~_____~~

DISCOUNT _____ IF PAID IN 30 DAYS

PRINTED NAME *MIKE THARP*

SIGNATURE *Mike Tharp*

ALLIED CEMENTING CO., LLC. 040662

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Med Lodgeks

DATE <u>3-8-11</u>	SEC. <u>1</u>	TWP. <u>34S</u>	RANGE <u>11W</u>	CALLED OUT	ON LOCATION	JOB START <u>4:00 am</u>	JOB FINISH <u>6:00 am</u>
LEASE <u>Jahay # 04</u> <u>Sony</u>	WELL # <u>2</u>	LOCATION <u>Ger Lane Blktop</u>			COUNTY <u>Barber</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>7 E, 1 S, 1/2 E, N M 6</u>					

CONTRACTOR Mike Rg #10

TYPE OF JOB Production

HOLE SIZE 7 7/8 T.D. 5145'

CASING SIZE 5 1/2 DEPTH 5042'

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT 42'

CEMENT LEFT IN CSG. 42'

PERFS.

DISPLACEMENT 121 bbls 2% KCL

OWNER Woolsey Operating

CEMENT

AMOUNT ORDERED 90sx 60:40:4% gel

150 sx class H + 10% Gypseal + 10% soft + 6% Kolseal
+ .8% FI-160 + 1/4" Floseal

COMMON	<u>A</u>	<u>54 sx @ 15.45</u>	<u>834.30</u>
POZMIX		<u>36 sx @ 8.00</u>	<u>288.00</u>
GEL		<u>3 sx @ 20.80</u>	<u>62.40</u>
CHLORIDE		@	
ASC		@	
<u>H</u>		<u>150 sx @ 16.75</u>	<u>2512.50</u>
<u>Gypseal</u>		<u>14 sx @ 29.20</u>	<u>408.80</u>
<u>Soft</u>		<u>16 sx @ 12.00</u>	<u>192.00</u>
<u>Kolseal</u>		<u>900 # @ .89</u>	<u>801.00</u>
<u>FI-160</u>		<u>112.8 # @ 13.30</u>	<u>1500.24</u>
<u>Floseal</u>		<u>37.50 # @ 2.50</u>	<u>93.75</u>
<u>Clapr</u>		<u>12 Gals @ 31.25</u>	<u>375.00</u>
		@	
HANDLING		<u>296 @ 2.40</u>	<u>710.40</u>
MILEAGE		<u>296/15/.10</u>	<u>444.00</u>
			TOTAL 8222.39

EQUIPMENT

PUMP TRUCK CEMENTER Matt Threshch

471/265 HELPER Jason Threshch

BULK TRUCK

363/290 DRIVER Ron Golley

BULK TRUCK

DRIVER Regulatory Correspondence
Drig Comp Workovers
Tests / Meters Operations

REMARKS:

Bulk cte with Rg pump ball through
mix 25 sx for Rathole
mix 15 sx for mouse hole
mix 50 sx for Scavenger
max 150 sx cement Shutdown with pump + lines
Release plug disp 121 bbls 2% KCL
bump plug 900 psi - 1600 psi
plug held

SERVICE

DEPTH OF JOB	<u>5042'</u>		
PUMP TRUCK CHARGE	<u>2185</u>	<u>00</u>	
EXTRA FOOTAGE	@		
MILEAGE	<u>30</u>	@ <u>7</u>	<u>210</u>
MANIFOLD	@		
<u>Head Rental</u>	@		<u>113</u>
	@		
			TOTAL 2508 00

CHARGE TO: Woolsey operating

STREET _____

CITY _____ STATE _____ ZIP _____

5 1/2 PLUG & FLOAT EQUIPMENT

<u>1-AFU Guide Shoe</u>		<u>214.20</u>
<u>1-Latchdown plug Assy</u>	@	<u>163.80</u>
<u>13-turbo/1205</u>	@ <u>40.60</u>	<u>527.80</u>
<u>30-Scratchers</u>	@ <u>23.94</u>	<u>718.20</u>
	@	
	@	
		TOTAL 1624.00

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

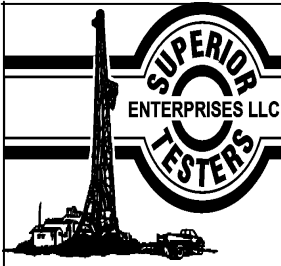
SALES TAX (If Any) _____

TOTAL CHARGES ~~8222.39~~

DISCOUNT ~~1624.00~~ IF PAID IN 30 DAYS

PRINTED NAME MIKE TRIARD

SIGNATURE Mike Triard



DRILL STEM TEST REPORT

WOOLSEY OPERATING COMPANY L.L.C

JAHAY A GU #2

125 N MARKET STE 1000 WICHITA KS
67202+1729

1-34-11-BARBER

Job Ticket: 15627

DST#: 1

ATTN:

Test Start: 2011.03.04 @ 22:03:00

GENERAL INFORMATION:

Formation: **MISSISSIPPI**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 00:48:00

Time Test Ended: 07:12:00

Test Type: Conventional Bottom Hole (Initial)

Tester: JARED SCHECK

Unit No: 3320- -

Interval: 4532.00 ft (KB) To 4654.00 ft (KB) (TVD)

Reference Elevations: 1429.00 ft (KB)

Total Depth: 4654.00 ft (KB) (TVD)

1418.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 11.00 ft

Serial #: 8419

Inside

Press@RunDepth: 98.32 psia @ 4650.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.03.04

End Date:

2011.03.05

Last Calib.:

2011.03.05

Start Time:

22:03:00

End Time:

07:12:00

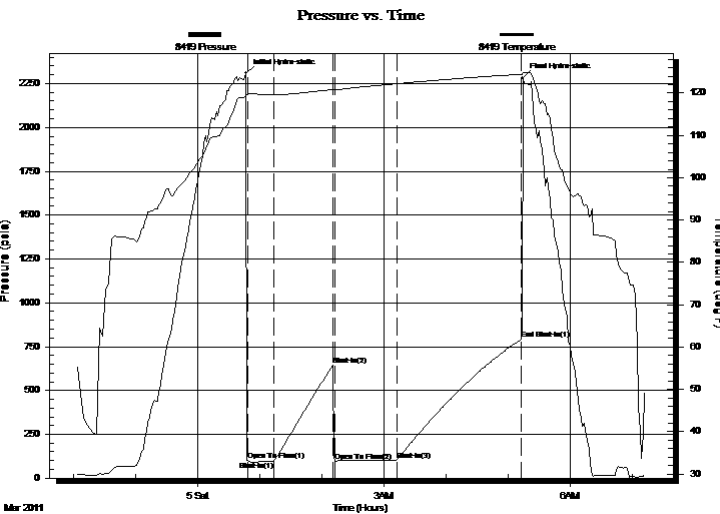
Time On Btm:

2011.03.05 @ 00:47:00

Time Off Btm:

2011.03.05 @ 05:14:30

TEST COMMENT: 30/INITIAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 3 MINUTES
60/INITIAL SHUT IN:NO BLOW BACK
60/FINAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 3 MINUTES
120/FINAL SHUT IN :NO BLOW BACK



PRESSURE SUMMARY

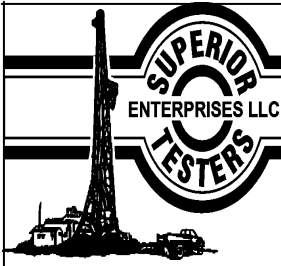
Time (Min.)	Pressure (psia)	Temp (deg F)	Annotation
0	2308.60	119.46	Initial Hydro-static
1	99.17	119.57	Open To Flow (1)
27	98.32	119.57	Shut-In(1)
84	646.39	120.89	Shut-In(2)
86	97.43	120.79	Open To Flow (2)
146	103.03	122.23	Shut-In(3)
266	793.70	124.45	End Shut-In(1)
268	2283.85	124.90	Final Hydro-static

Recovery

Gas Rates

Length (ft)	Description	Volume (bbl)
40.00	MUD	0.56
815.00	GAS IN PIPE	11.43

	Choke (inches)	Pressure (psia)	Gas Rate (Mcf/d)



DRILL STEM TEST REPORT

TOOL DIAGRAM

WOOLSEY OPERATING COMPANY L.L.C

JAHAY A GU #2

125 N MARKET STE 1000 WICHITA KS
67202+1729

1-34-11-BARBER

Job Ticket: 15627

DST#: 1

ATTN:

Test Start: 2011.03.04 @ 22:03:00

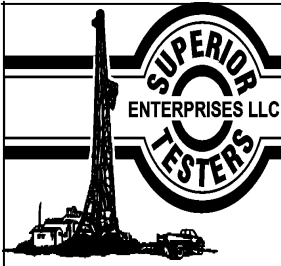
Tool Information

Drill Pipe:	Length: 4527.00 ft	Diameter: 3.80 inches	Volume: 63.50 bbl	Tool Weight: 1000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight to Pull Loose: 80000.00 lb
			<u>Total Volume: 63.50 bbl</u>	Tool Chased 1.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial 60000.00 lb
Depth to Top Packer:	4532.00 ft			Final 60000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	122.00 ft			
Tool Length:	151.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			4504.00	
Shut-In Tool	5.00			4509.00	
Hydraulic Tool	5.00			4514.00	
Jars	6.00			4520.00	
Safety Joint	2.00			4522.00	
Packer	5.00			4527.00	29.00 Bottom Of Top Packer
Packer	5.00			4532.00	
Change Over Sub	0.75			4532.75	
Drill Pipe	94.50			4627.25	
Change Over Sub	0.75			4628.00	
Perforations	21.00			4649.00	
Recorder	1.00	8419	Inside	4650.00	
Recorder	1.00	8524	Outside	4651.00	
Bullnose	3.00			4654.00	122.00 Bottom Packers & Anchor

Total Tool Length: 151.00



DRILL STEM TEST REPORT

FLUID SUMMARY

WOOLSEY OPERATING COMPANY L.L.C

JAHAY A GU #2

125 N MARKET STE 1000 WICHITA KS
67202+1729

1-34-11-BARBER

Job Ticket: 15627

DST#: 1

ATTN:

Test Start: 2011.03.04 @ 22:03:00

Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 48.00 sec/qt

Water Loss: 8.40 in³

Resistivity: ohm.m

Salinity: 5000.00 ppm

Filter Cake: 1.00 inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psia

Oil API:

Water Salinity: ppm

deg API

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
40.00	MUD	0.561
815.00	GAS IN PIPE	11.432

Total Length: 855.00 ft Total Volume: 11.993 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

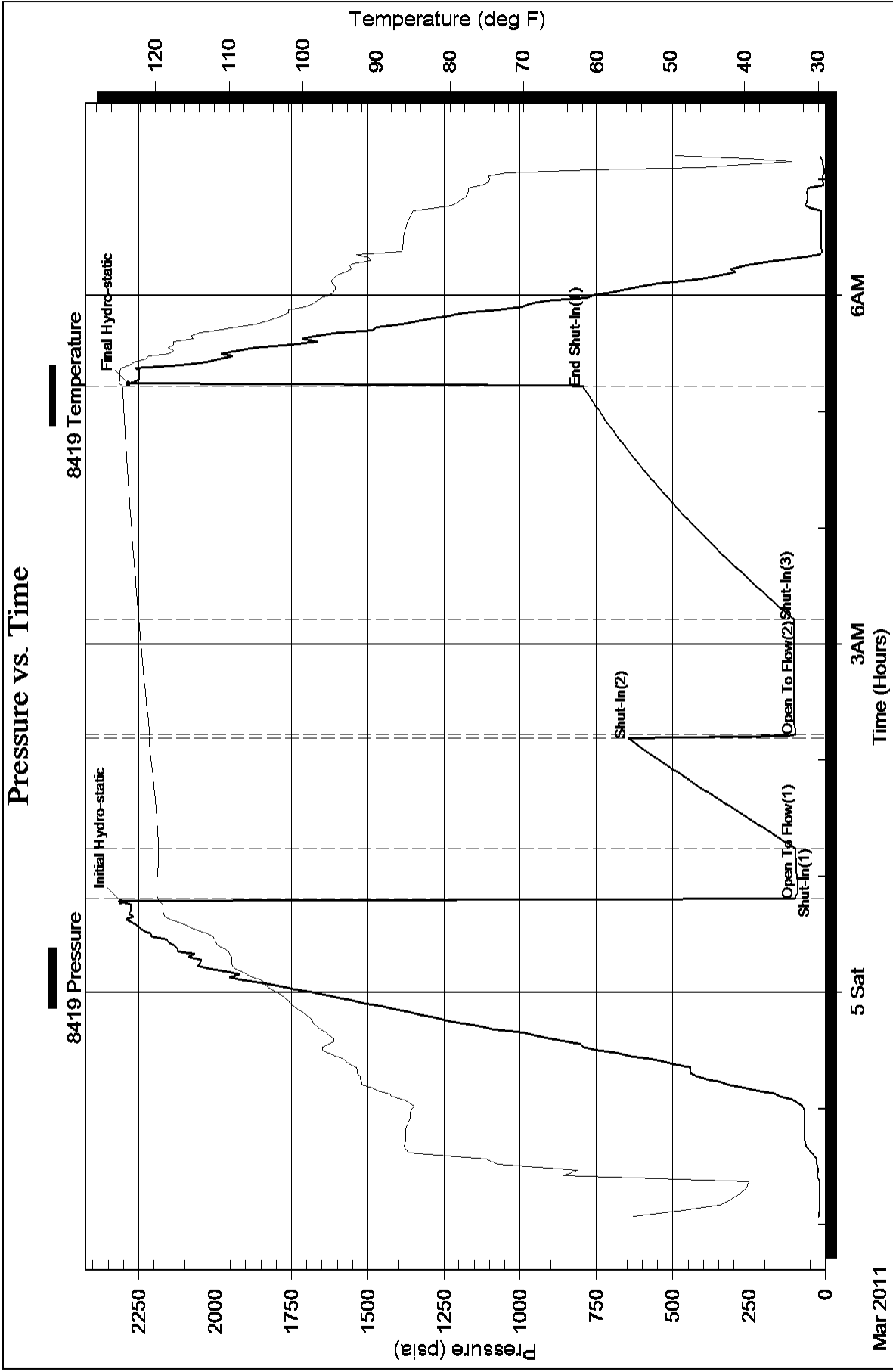
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time





Woolsey Operating Company, LLC

Scale 1:240 (5"=100') Imperial
Measured Depth Log

Well Name: Jahay A GU #2
Location: NE NW SE
License Number: 15-007-23656
Spud Date: February 25, 2011
Surface Coordinates: 2310' FSL, 1650' FEL Section 1 Twp 34S-Rge 11W
Field: Roundup South
Bottom Hole Coordinates: Verticle Hole
Region: Barber County, Kansas
Drilling Completed: March 7, 2011
Ground Elevation (ft): 1418' K.B. Elevation (ft): 1429'
Logged Interval (ft): 5145' To: Surface Total Depth (ft): 5145'
Formation: Total Depth in Simpson Group
Type of Drilling Fluid: Chemical Displaced at 3385'
Printed by MUD.LOG from WellSight Systems 1-800-447-1534 www.WellSight.com

OPERATOR

Company: Woolsey Operating Company, LLC
Address: 125 N. Market, Suite 1000
Wichita, KS 67202

GEOLOGIST

Name: Bill Klaver
Company: Woolsey Operating Co. LLC
Address: 125 N. Market, Wichita Kansas, 67202

COMMENTS

Surface Casing: Set 5 joints 10 3/4" X 28# at 215' KB (tally 200') w/240 sx Class A, 2% gel, 3% cc. Plug down 11am on 2/25/11. Cement did circulate.
Production Casing: 5 1/2"

Deviation Surveys: 1 at 220', 3/4 at 1228', 1/2 at 1695', 1/4 at 2197', 1/4 at 2729', 1/2 at 3508', 3/4 at 4102', 1/4 at 4474', 1/4 at 4654', 1/2 at 5145'.

Pipe Strap @ 4654', Strap: 4596.03', Board: 4601.03', Strap 5' long, No correction was made to the board.

Duke Drilling Rig 10 Bit Record:

#1 14 3/4" HTC RR in at 0' out at 215'

#2 7 7/8" Varel HE-21 in at 215' out at 4654', 4439' in 108 hours

#3 7 7/8" Varel HE-29 in at 4654', out at 5145', 491' in 28 hours

Gas Detector: Woolsey Operating Co. Gas Trailer #2

Mud System: Mud Co. Brad Bortz, Aaron Rush, Engineers

DSTs: Superior Testers Enterprises, Jared Scheck, Tester

OH Logs: Superior Well Services. Dual Induction Laterolog w/SP, CNL-FDC w/PE, GR & Caliper.


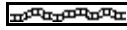
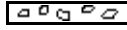

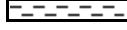

DSTs







DST #1 Mississippi, 4532'-4654', 30"-60"-60"-120", SB BOB 3 minutes into IFP. Rec: 815' GIP, 40' drilling mud. IHP 2300, IFP 99-98, ISIP 646, FFP 91-102, FSIP 795, FHP 2275, BHT 124 degrees.


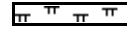

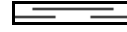


CREWS






Joe Livingston, Tool Pusher
Scott Edward, Daylights
Colby Crawford, Evening
Alex Ordonez, Morning
Ron Burns, Relief

ROCK TYPES

 Anhy
 Bent
 Brec
 Cht
 Clyst
 Coal

 Congl
 Sdy dolo
 Shy dolo
 Dol
 Gyp
 Sdy lmst

 Lmst
 Mrlst
 Salt
 Shale
 Sltst
 Ss

 Black sh
 Gry sh
 Shale
 Shysltst
 Sltys

ACCESSORIES

MINERAL

- Anhy
- Arg
- Bent
- Bit
- Brecfrag
- Calc
- Carb
- Chtdk
- Chtlt
- Dol
- Ferrpel
- Ferr
- Glau
- Gyp
- Marl
- Nodule
- Phos
- Pyr
- Salt
- Sandy
- Silt

- Chlorite
- Dol
- Sand
- Slty

FOSSIL

- Algae
- Amph
- Belm
- Bioclst
- Brach
- Bryozoa
- Cephal
- Coral
- Crin
- Echin
- Fish
- Foram
- Fossil
- Gastro
- Oolite
- Ostra

- Pelec
- Pellet
- Pisolite
- Plant
- Strom
- Fuss
- Oomoldic

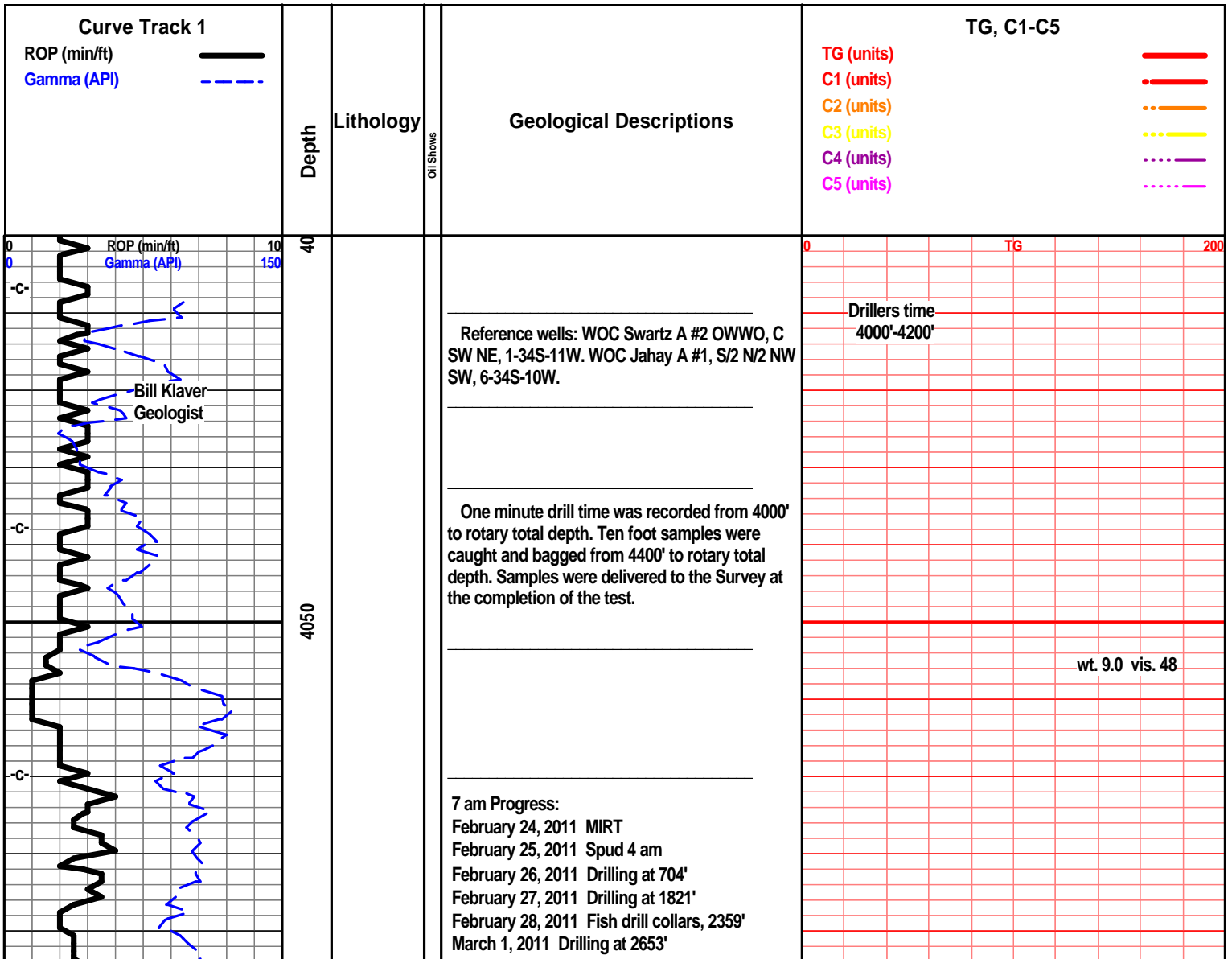
- Grysh
- Gryslt
- Lms
- Sandylms
- Sh
- Slstn

STRINGER

- Anhy
- Arg
- Bent
- Coal
- Dol
- Gyp
- Ls
- Mrst
- Slstn
- Ssstn
- Carbsh
- Clystn
- Dol

TEXTURE

- Boundst
- Chalky
- Cryxln
- Earthy
- Finexln
- Grainst
- Lithogr
- Microxln
- Mudst
- Packst
- Wackest



March 2, 2011 Drilling at 3383'
 March 3, 2011 Drilling at 3985'
 March 4, 2011 Short trip at 4474'
 March 5, 2011 TOOH w/DST #1 at 4654'
 March 6, 2011 CFS at 4950' in Viola
 March 7, 2011 RTD at 6 am

Survey 4102'
 3/4 degree

wt. 9.1 vis. 47

Scale Change
 TG

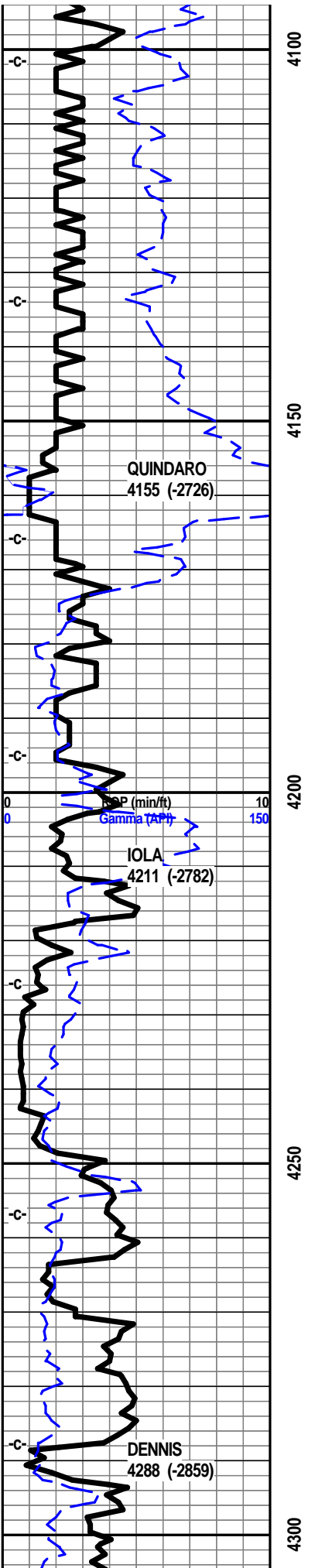
Tooke Time

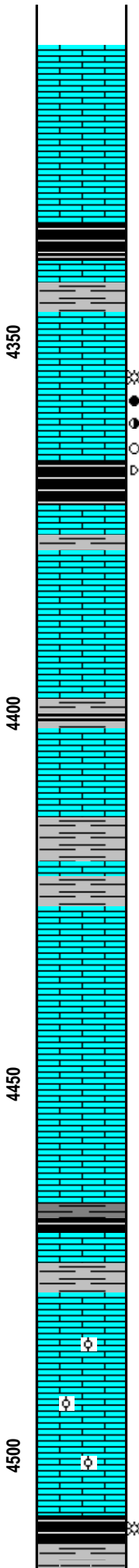
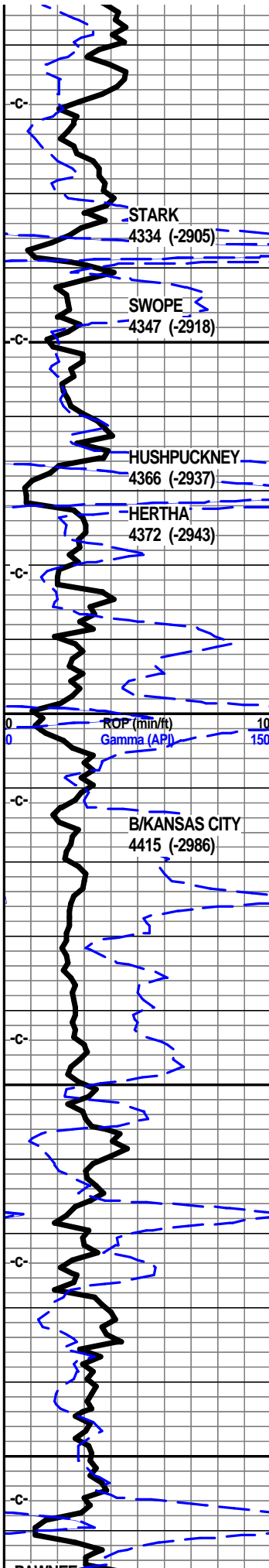
TG

6 pm 4250'
 Thursday
 March 3, 2011

Gas on

- E-Log Tops:
- Herington 1784 (-355)
 - Onaga 2626 (-1197)
 - Wabaunsee 2683 (-1254)
 - Topeka 3118 (-1689)
 - LeCompton 3435 (-2006)
 - Kanwaka 3447 (-2018)
 - Heebner 3644 (-2215)
 - Toronto 3653 (-2224)
 - Douglas Shl 3698 (-2269)
 - Stalnaker 3945 (-2516)
 - Quindaro 4156 (-2727)
 - Kansas City 'F' 4173 (-2744)
 - Kansas City 'Iola' 4213 (-2784)
 - Kansas City 'Drum' 4255 (-2826)
 - Dennis 4288 (-2859)
 - Stark 4335 (-2906)
 - Swope 4349 (-2920)
 - Hushpuckney 4367 (-2938)
 - Hertha 4374 (-2945)
 - B/Kansas City 4419 (-2990)
 - Pawnee 4516 (-3087)
 - Cherokee Grp 4561 (-3132)
 - Mississippi 4605 (-3176)
 - C2A 4607 (-3178)
 - C2 4659 (-3230)
 - C1 4753 (-3324)
 - Northview Shl 4804 (-3379)
 - Compton 4813 (-3384)
 - Kinderhook 4819 (-3390)
 - Woodford 4898 (-3469)
 - Misener Sd 4930 (-3501)
 - Viola 4936 (-3507)
 - Simpson Grp 5031 (-3602)
 - Wilcox 5046 (-3617)
 - McLish Shl 5105 (-3676)
 - LTD 5145 (-3716)





Oil and Gas Show Legend

- ☒ Gas Show
- Even Stain/Saturation
- ◐ Spotted Stain/Saturation
- Questionable
- ◑ Dead/Gilsonitic

Ist crm tan f sli med xln gran chlky foss frags, foss pelletal/ool, pp/moldic por, calc xln fill, tr arg,

Ist crm tan gry in prt f sli med xln gran sub chlky foss frags, calc xln fill, tr arg

shl gry med gry, silty calc, Ist tan lt gry f xln gran sub chlky foss frags, calc xln fill, tr arg, chrt tan shrp frsh foss

Ist gry tan gry, f xln sub chlky, blk gran pcs, foss frags, calc xln fill, arg, shl gry med gry silty calc

shl gry blk, silty calc

Ist crm tan buff f xln blkly flky ang pcs, tr sub chlky mstly dns, hrd, tr micro foss frags

Ist crm tan buff f vf xln blkly ang gran pcs, tr sub chlky tr micro foss, tr calc xln fill

Ist crm buff tan off wht f vf xln dns hrd blkly micro foss frags, tr calc xln fill,

Ist crm buff tan f vf xln dns hrd blkly ang tr sub chlky

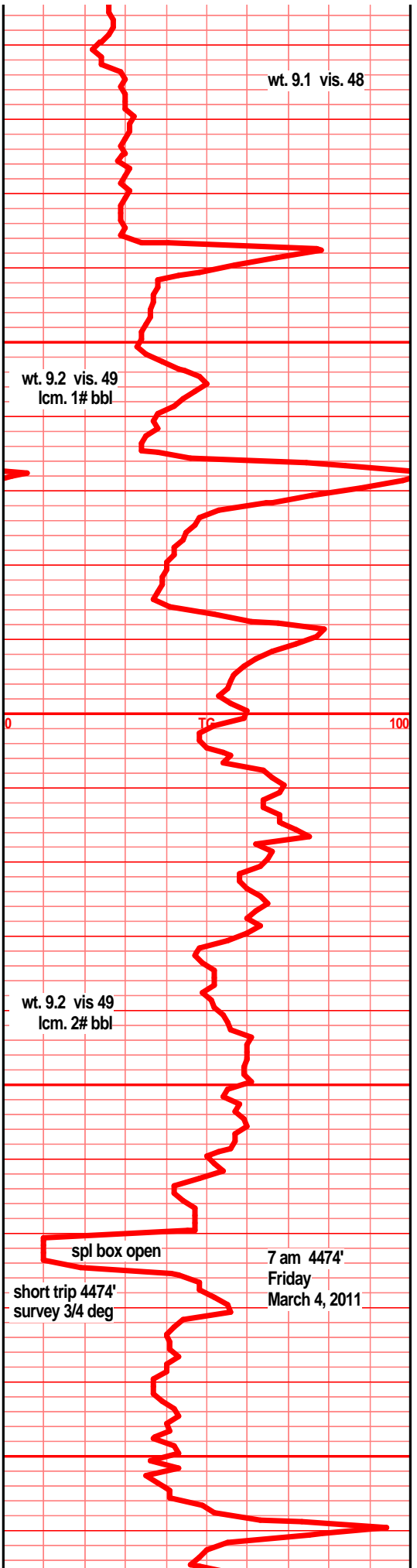
shl gry blk, tr blk carb text, shl gry lt green, silty gritty calc in prt

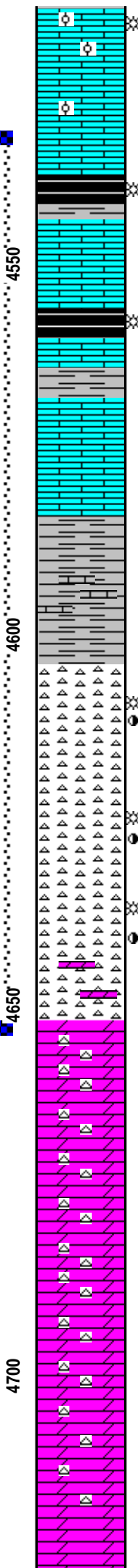
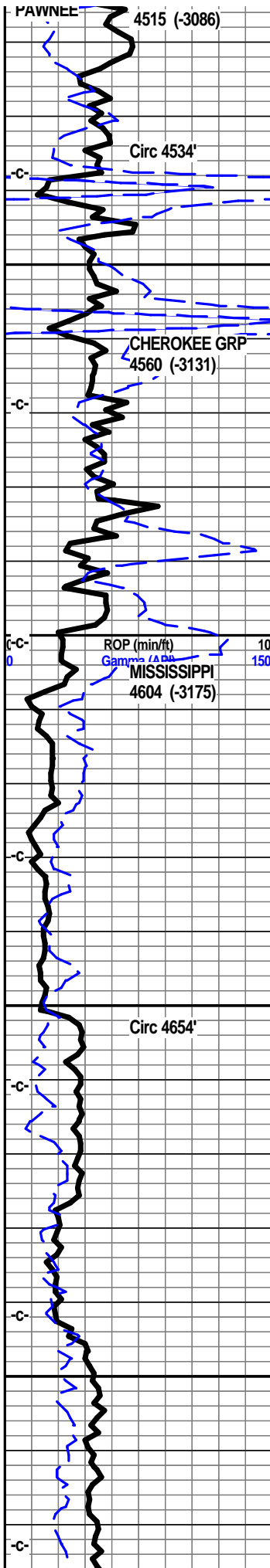
shl gry green silty gritty gran, calc, Ist dull gry vf xln dns hrd blkly arg silty, tr foss frags,

Ist crm buff tan f vf xln blkly ang dns hrd pcs, tr micro foss, calc xln fill,

Ist crm buff off wht tan f vf xln blkly ang hrd pcs, tr calc xln fill, tr micro foss frags,

shl drk gry/blk, carb in prt, wxy grsy, gas bubs, shl gry med gry blkly ang pcs calc in prt





lst crm buff tan f vf xln dns hrd ang blkly, foss frags, foss ool/pelletal, sub chlky, micro ool, hvy calc xln fill, tr pp por, inter xln por, mstly dns, fair show gas bubs/brkn nodor, nsfo, dull UV,

lst buff tan off wht f xln dns hrd blkly ang sub chlky calc xln fill tr micro foss

shl drk gry, blk, blk carb, wxy grsy, gas bubs, lst tan buff, dull tan vf xln blkly dns hrd sub chlky

lst gry tan lt brn f vf xln dns hrd blkly ang arg, tr micro foss, sub chlky, massive, much gry blk shls in spl

shl gry drk gry blk, blk carb, wxy grsy, abun gas bubs, lst tan gry brn vf xln dns hrd blkly ang arg, tr micro foss

lst tan buff lt gry f vf xln dns hrd blkly ang arg, massive, earthy, tr sub chlky tr micro foss,

lst, tan gry lt brn f vf xln dns hrd blkly arg, sub chlky mstly blkly dns arg hard

shl gry, gry green, silty, gritty, calc in prt, pyritic, snd grn inclu,

sily sst gry lt brn vf grnd, sub ang grns, hvy clay fill, v/arg, silty

chrt wht off wht lt gry in prt, shrp, frsh, opaq, tr frac text, tr gas, chrt wht off wht tan shrp frsh w/weath trip text edge, pp/moldic por, stain, brn stain, SSFO, sli odor.

chrt wht lt tan tr lt gry shrp frsh opaq blkly pcs, tr weath trip text edge, mstly frsh shrp opaq, chrt wht gran spongy trip text, w/brn stain edge, pp/moldic por, SFO, gas bubs, odor

chrt gry tan smokey in prt, shrp, frsh opaq, tr vit, blkly ang pcs, w/weath trip text edge, pp/moldic por, tr vis frac por, brn stain, drk brn SFO, gas bubs, fair odor, dull UV, tr lt gry/green dolo edge, tr glau,

dolo chrtly dolo, dolo tan crm lt green/tan f vf xln blkly and dns hrd pcs, tr silic text, tr glau, chrt inclu, wht lt gry shrp frsh opaq foss, tr weath trip edge text, pp moldic por, tr brn stain, tr gas bubs, chrt lt gry off wht shrp frsh opaq

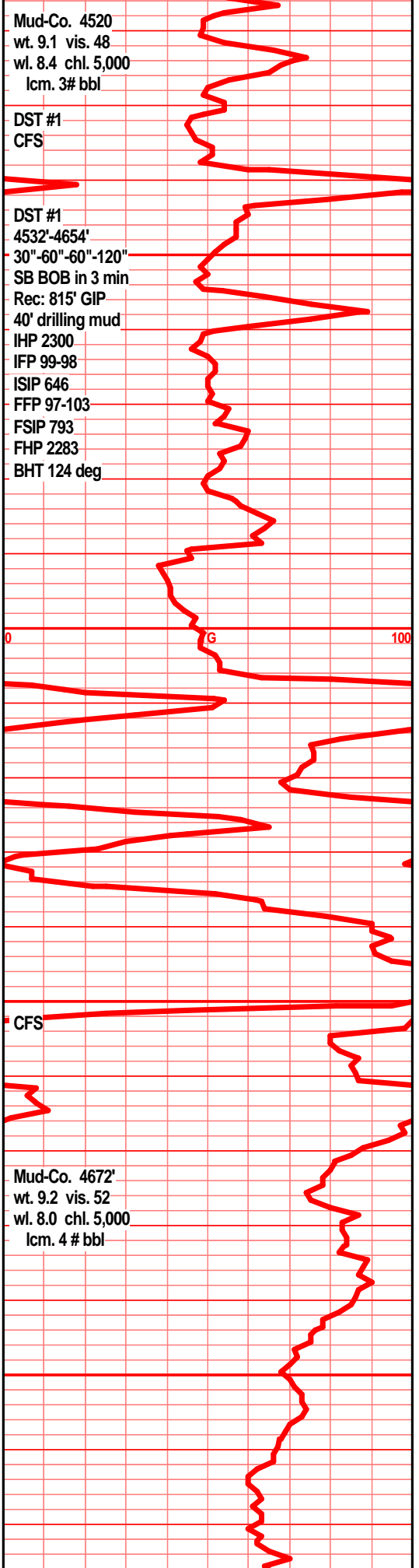
dolo chrtly dolo, crm tan dull tan, f vf xln bky dns hrd tr glau, tr silic text, tr brn stain, nodor, chrt inclu, tan lt gry shrp frsh blkly opaq

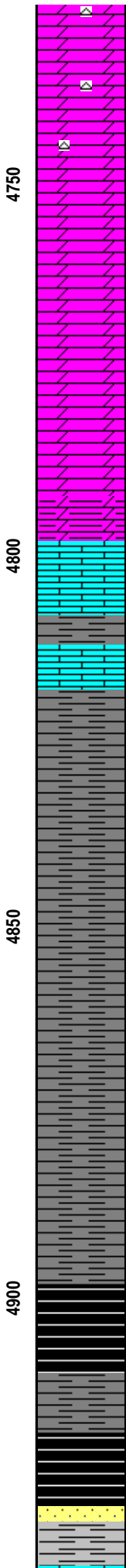
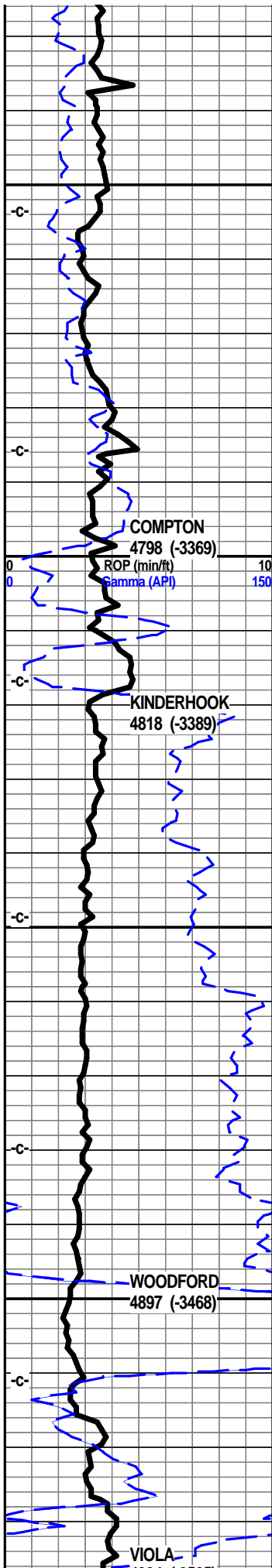
dolo crm tan dull tan f vf xln blkly dns hrd glau, tr silic text, fnly sucr in prt, NVP, tr brn stain, tr gas bubs, sli odor, chrt lt gry wht tan shrp frsh opaq, tr w/weath trip text edge, tr pp/moldic por, brn stain, gas bubs, dec show w/depth

dolo crm tan bec drkr, lt gry grn f vf xln dns hrd blkly ang hrd, tr silic text, glau in prt, tr chrtly, chrt wht gry shrp frsh opaq

dolo gry med gry f vf xln blkly dns hrd ang pcs, silic text, arg in prt, tr chrtly, chrt gry shrp opaq

dolo gry med gry f vf xln dns hrd blkly ang pcs,





silic text in prt, arg in prt, tr gry smokey snrp irsn
foss opaq chrt

dolo gry med drk gry vf xln dns hrd blkly ang arg,
silty in prt, silic text

dolo silty dolo tan gry med gry f vf xln dns hrd
blkly tr silic text, arg, shls gry dolo/silty

dolo, silty shly dolo, gry tan med gry f vfr xln
gran blkly dns hrd ang pcs,

dolo silty dolo drk tan lt gry tr med gry f vf xln
bky dns hrd, silic text, chrt wht lt gry shrp opa
foss

dolo tr dilty dolo tan lt gry f vf xln gran blkly dns
tr silic text, chrt wht shrp frsh opa

dolo silty dolo, lt gry tan, dull tan, f vf xln gran
dns hrd blkly arg, silty, silic text, chrt wht shrp
frsh

dolo crm dull gry f vf xln dns hrd blkly tr silic
text, silty gritty arg

aa, lst wht f sli med xln flky sub chlky tr micro
foss,

shl gry drk gry, drk green silty, gritty,

shl gry gry/green, gry/blk, silty gritty, pyritic in
prt, bedded

shl drk gry gry drk green silty, gas

shl gry drk gry blk gry/drk green silty pyritic
bands gritty

shl gry, med drk gry silty gritty, gas bubs

shl gry drk gry blk, gritty silty, dolo in prt, pyritic
bands, gas bubs

shl gry drk gry, gry/drk green, blk, silty gritty,
pyritic, gas bubs along frac

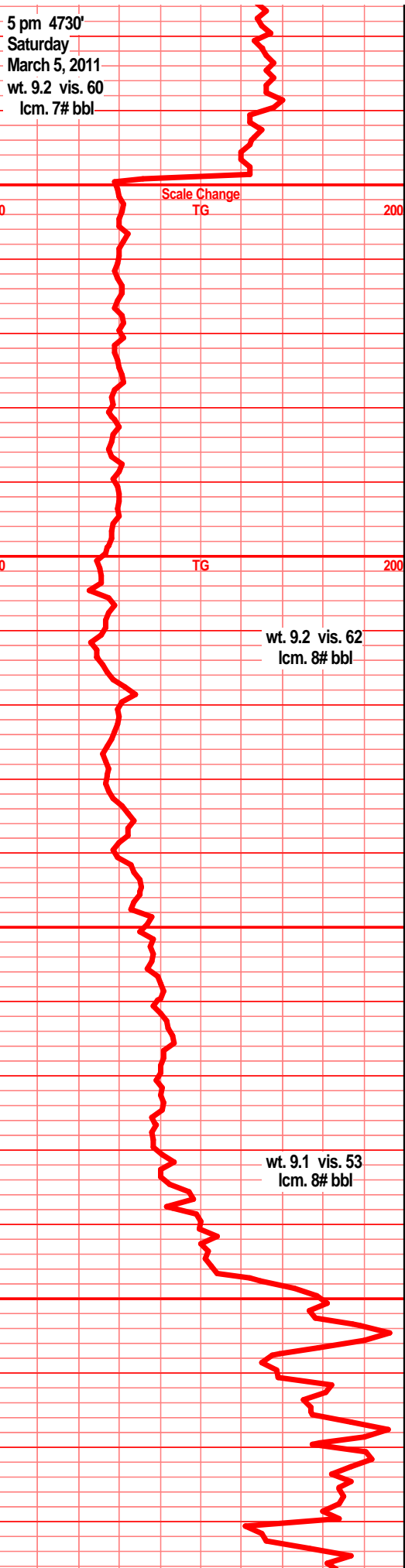
shl gry drk gry blk, silty, gritty, bedded, tr
banded

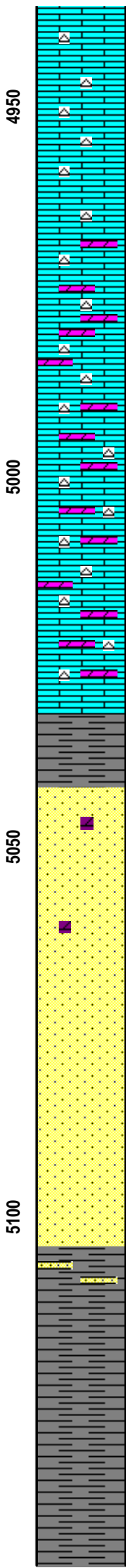
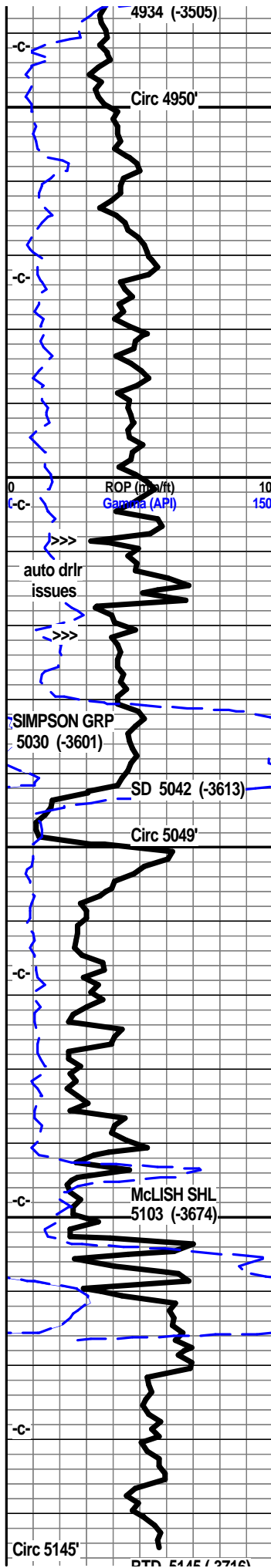
shl blk, deep red/brn, reddish blk, blk carb, blkly
ang pcs, abun gas bubs

shl drk gry/blk. blk, blk carb in prt, blkly ang pcs,
abun gas bubs

shl drk brn/reddish, drk brn/blk, carb, organic,
grsy, abun gas bubs

sst clr, gry/brn clstrs, f sli med grnd, ang grns,
prly srted, w/cem, sub fria to tite, mstly hrd blkly
ang clstrs, pyritic, v/arg, clay/mineral fill, tr gas





bubs, dead blk stain, filmy SFO, sli odor w/brkn

lst wht, off wht, wht/lt gry tint, f med xln blkly flky ang pcs, sub chlky, inter xln por, calc xln fill, tr chrt wht shrp frsh opaqa blkly

lst wht tan, wht/gry mott f sli med xln blkly ang flky sub chlky pyritic, dull tan/gry dolo edge in prt, chrt dull tan gry shrp frsh foss pyritic

lst tan off wht gry mott f sli med xln blkly ang flky sub chlky, inter xln por, pyritic, tan brn dolo edge, chrt n prt, chrt dull tan gry shrp frsh foss opaqa

lst dolo in prt, tan gry brn mott f xln blkly dns hrd, tr foss, flky sub chlky, chrt, chrt dull tan gry shrp frsh foss opaqa

lst dolo in prt, tan gry mott, incr brn, f vf xln dn shrd blkly tr sub chlky, dolo edge, chrt, chrt dull tan gry shrp frsh opaqa

lst/dolo drk tan brn f vf xln dns hrd blkly, tr silic text in prt, chrt, much chrt, gry brn shrp frsh foss opaqa

lst dolo in prt, f vf xln dns hrd blkly ang dns, dolo edge, chrt, chrt dull tan brn shrp frsh opaqa

lst/dolo tan brn f vf xln dn shrd blkly, silic text in prt, chrt, much chrt, tan brn shrp frsh foss opaqa

shl, gry green, teal green, wxy, grsy, sst clr lt gry clstrs, f grnd, sub rded/rded grns, w/srtd, prly cem, fria to sub fria, gd inter grn por, tr gas bubs, blk flky stain, 2-3 clstrs w/drck blk oil droplets, no live sho, nodor, nsfo

sst clr lt gry clstrs, f grnd, sub rded to rded grns, fair srtd, sub fria to fria, prly cem, silic cem, tr dolo xln fill in prt, blk min stain, tr glau, tr clay fill, tr pyritic

sst clr lt gry, tan clstrs, f grnd sub rded/rded grns, w/srtd, prly cem, sub fria, dolo in prt, silic cem, min fill, tr blk dead stain, clay fill in prt, blk min specks

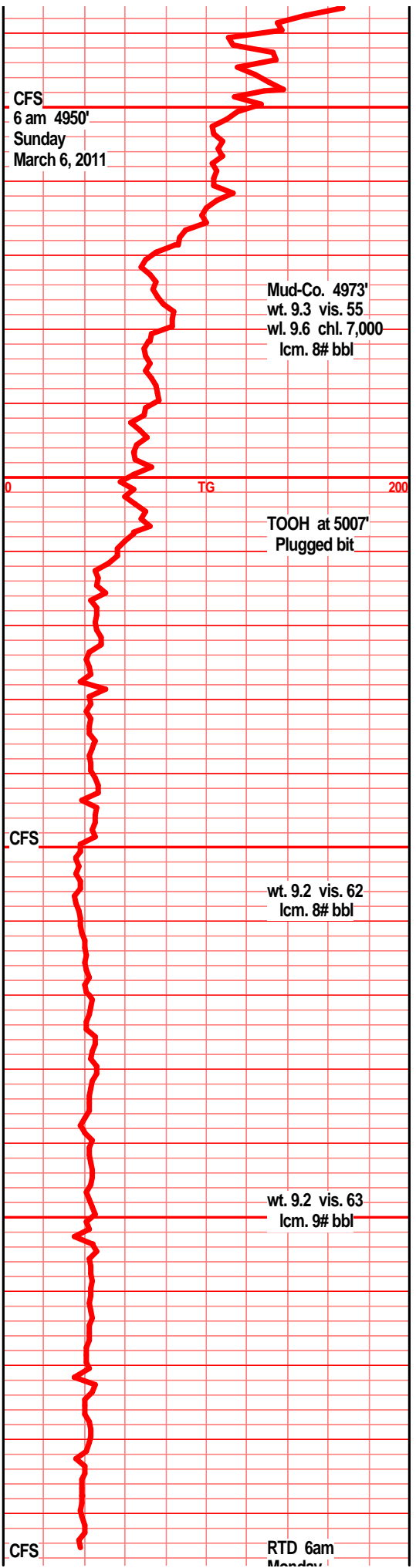
sst tan drk tan (dolo xln fill) clstrs, f grnd, sub rded to rded grns, w/srtd, sub fria to tite, pr to w/cem, silic cem, tr gas bubs, drk brn oil smears, nodor, sst wht clstrs, f grnd, sub rded, tr sub ang grns, w/srtd, vry w/cem, silic cem, much glau in prt, min fill, tr clay fill/arg

shl green teal green, wxy grsy

shl drk gry green, teal green, slick, wxy, grsy, pyritic bands

shl gry drk gry, teal green, silty, grsy, wxy, tr snd grn inclu, pyritic

shl green, teal green, silty, wxy grsy, pyritic



KID 5145 (-3/10)

5150

00

Mud-Co. 5145'
wt. 9.3 vis. 60
wl. 8.8 chl. 7,000
lcm. 10# bbl

Monday
March 7, 2011
e-logs out 3 pm